



INTERNATIONAL FEDERATION FOR THE SURGERY
OF OBESITY AND METABOLIC DISORDERS

22nd World Congress

29 August - 2 September 2017
QEI Centre, London



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Organised by:





A Message from Dr Kelvin D. Higa, MD, FACS, FASMBS, President IFSO

I am delighted to invite you to IFSO 2017 in London bringing together world leaders in metabolic and bariatric surgery to educate, discuss and collaborate. Our hosts, **the British Obesity and Metabolic Surgical Society**, are planning a superb scientific programme that promises a unique opportunity for all those interested in obesity and metabolic surgery to share their experiences, expertise and knowledge and seek practical solutions in their search to eradicate and manage this epidemic. With an emphasis on integrated health and on surgical treatment strategies, participants can look forward to 10 postgraduate courses, multiple symposia and numerous oral, video and live operating sessions. This is set to be a great meeting.

Please join me and our hosts in London for the IFSO 2017 Annual Congress.

A Message from Richard Welbourn, MD, FRCS, Congress President, LOC, Scientific Co-Chair IFSO 2017

Dear Colleagues,

We cordially invite you to the 22nd World Congress of the International Federation for the Surgery of Obesity and Metabolic Disorders, to be held in the QEII Centre, London from 29 August – 2 September 2017.

London is a fantastic destination! The conference centre is located at the heart of the Westminster area directly adjacent to the Houses of Parliament. The Meeting promises to be the largest ever IFSO Congress and we look forward to welcoming professionals with an interest in the surgical treatment of obesity and type 2 diabetes.

We are focusing on all aspects of multidisciplinary care. We will be demonstrating live operating from around the world with the latest techniques, as well as state-of-the-art lectures from invited world leaders.

We look forward to seeing you in London!

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LIPID BLOOD SPECTRUM IN PATIENTS WITH METABOLIC SYNDROME AFTER BARIATRIC GASTRIC BYPASS SURGERY

Basic science and research in bariatric surgery

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Introduction

Elevated concentrations of low-density lipoproteins contribute to the development of atherosclerosis and its clinical consequences. High-density lipoproteins are still considered as "good cholesterol".

Objectives

The aim of the study was to evaluate changes in lipid spectrum parameters in patients with obesity and metabolic syndrome after laparoscopic gastric bypass.

Methods

The study is prospective, randomized, controlled. 107 patients (94 women and 13 men) were examined by random sampling for lipid spectrum analysis. All performed laparoscopic gastric bypass. The average age of the patients was 42.4 ± 5.7 years (15-69). BMI is 44.8 ± 4.3 kg/m². The mean follow-up period was 12 months.

Results

Before the operation, an increase in the average level of total blood cholesterol up to 5.9 ± 0.1 mmol/l. After the operation, it decreased to 5.14 ± 0.1 mmol/l ($p < 0.05$). The average levels of low density lipoprotein in patients before surgery was equal to 4.2 ± 0.1 mmol/l, after operation decreased to 3.7 ± 0.1 mmol/l ($p < 0.05$). Levels of very low density lipoproteins was within 0.35 ± 0.3 mmol/L. After the surgery is lowered slightly to 0.33 ± 0.1 mmol/l. This indicating a downward trend in lipoprotein measures ($p < 0.05$). Average blood level of high density lipoprotein before and after surgery was 1.2 ± 0.01 mmol/l and 1.67 ± 0.01 mmol/l respectively ($p < 0.05$). The average value of triglycerides before operations was 2.3 ± 0.1 mmol/l. After the surgery, all patients demonstrated a statistically significant decrease in their levels to 1.9 ± 0.1 mmol/l ($p < 0.05$).

Conclusion

Gastric bypass surgery improved the lipid profile with a statistically significant increase in high-density lipoprotein, lowering of low-density lipoproteins.